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Digital libraries meet electronic commerce: on-screen intellectual property
- Lesk, M.

Bellcore, Morristown, NJ, USA

This paper appears in: Digital Libraries, 1996. ADL '96., Proceedings of the Third Forum on Research and Technology Advances in

On page(s): 58 - 64

13-15 May 1996

Washington, DC, USA

1996

ISBN: 0-8186-7402-4

IEEE Catalog Number: 96TB100053

Number of Pages: xi+151

References Cited: 12

INSPEC Accession Number: 5310445

Abstract:

Publishers wishing to distribute text online fear that customers will download their product and redistribute it illegally. Although constraining the users to access the data only through proprietary software that does not allow downloading helps, it still leaves the possibility that users could take screen dumps of the material to capture it. The technique described in the paper relies on the perceptual properties of the human eye, using two unreadable images interleaved quickly to create a readable image, which cannot be screen-dumped since the readability depends on averaging in the human eye. Our program flickers two images of the text each with an admixture of grey noise. Your eye sorts out the letters and reads them, not paying close attention to the grey background; but any screen dump captures the item at one instant including the noise. The text is also scrolled up and down slowly, which again your eye can track, but which would frustrate a program trying to average out the flickering.

Index Terms:

electronic publishing publishing industrial property copyright legislation user interfaces Internet library automation libraries digital libraries electronic commerce on-screen intellectual property electronic publishing online service proprietary software downloading screen dumps unreadable images readable image human eye grey noise image flicker noise copyright Internet

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Web-based analyses and distributed IP

- Wilsey, P.A.

Editor(s): Farrington, P.A., Black Nembhard, H., Sturrock, D.T., Evans, G.W.

Clifton Labs. Inc., Cincinnati, OH, USA

This paper appears in: Winter Simulation Conference Proceedings, 1999

On page(s): 1445 - 1453 vol.2

5-8 Dec. 1999

Phoenix, AZ, USA

1999

Volume: 2

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IEEE Catalog Number: 99CH37038

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INSPEC Accession Number: 6483727

Abstract:

The web presents an opportunity for realizing a distributed design framework supporting multi-disciplinary, multi-organizational collaborative design and analysis activities. The potential for deploying online, reusable parts libraries for virtual prototyping and design analysis exists. However, several issues must be solved before vendors will be willing to provide online access to their intellectual property (IP). This paper reviews the main problems facing the web-based design and analysis community before the successful application of web-based virtual prototyping can become a reality. To amplify and solidify our arguments, the application domain of web-based hardware/software co-design is used.

Index Terms:

industrial property software prototyping hardware-software codesign virtual reality information resources Web-based analyses distributed IP distributed design framework collaborative design reusable parts libraries virtual prototyping intellectual property hardware/software codesign

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Enterprise security: legal challenges and possible solutions

- [Weitzenboeck, E.M.](#)

Norwegian Res. Centre for Comput. & Law, Oslo Univ., Norway

This paper appears in: Enabling Technologies: Infrastructure for Collaborative Enterprises, 2001. WET ICE 2001. Proceedings. Tenth IEEE International Workshops on

On page(s): 183 - 188

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Cambridge, MA, USA

2001

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References Cited: 11

INSPEC Accession Number: 7087185

Abstract:

To survive in business, especially the online world, an enterprise requires an effective security infrastructure. However, enterprises should bear in mind that there is often also a legal obligation to keep certain data or information secure, emanating from legislation such as intellectual property, data protection or trade secret legislation or from contract. A number of technological measures already exist to provide security in the online world, such as encryption, electronic signatures and privacy enhancing technologies. However, one often encounters a number of legal constraints to the use of these measures through, for example, restrictions on the export and use of cryptography, difficulties and doubts of the legal recognition of electronic signatures, and different national rules on certification services. If electronic commerce is to grow, there is need for more international cooperation as well as mutual recognition of, and more liberalisation of, such regulations. The paper discusses the legal obligation of enterprise security and considers mechanisms to ensure security.

Index Terms:

[business data processing security of data legislation data privacy industrial property enterprise security business legislation intellectual property data protection trade secret contract encryption electronic signatures data privacy certification services electronic commerce](#)

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